



PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/687,541
				Filing Date	October 16, 2003
				Confirmation Number	7748
				First Named Inventor	David A. Morgenstern
				Group Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	8	Attorney Docket No.	MTC 6888.2 (39-21(52925)C)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
AE	1	3,522,019		Buswell et al.	07-28-1970
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	7	5,928,614		Autenrieth et al.	07-27-1999
	8	5,935,277		Autenrieth et al.	08-10-1999
	9	6,209,494	B1	Manikowski, Jr. et al.	04-03-2001
	10	6,284,703	B1	Ostgard et al.	09-04-2001
	11	6,309,758	B1	Schmidt	10-30-2001
AE	12	2002/0019564	A1	Morgenstern et al.	02-14-2002

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	13	6,376,700	B1	Morgenstern et al.	04-23-2002		
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
AE	14	EP	0 648 534	A1	Degussa (DE)	04-19-1995	A
AE	15	WO	01/00320	A1	Lisse et al.	01-04-2001	
OTHER ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ⁶
AE	16	AGRELL, Johan, et al., "Catalytic Hydrogen Generation from Methanol", <i>The Royal Society of Chemistry</i> , 2002, Pages 67-132, Volume 16					
AE	17	ALEJO, L., et al., "Partial Oxidation of Methanol to Produce Hydrogen over Cu-Zn-based Catalysts", <i>Applied Catalysis A: General</i> , 1997, Pages 281-297, Volume 162					

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AE	18	AMPHLETT, J.C., et al., "A Deactivation Model for Methanol-Steam Reformation on Cu/CnO/Al ₂ O ₃ Catalyst for Optimizing the Production of Fuel-Cell Hydrogen", <i>Studies in Surface Science and Catalysis</i> , 2001, Pages 205-212, Volume 139	
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	24	BLACK, F., "An Overview of the Technical Implications of Methanol and Ethanol as Highway Motor Vehicle Fuels", <i>SAE Technical Paper Series</i> , No. 912413, October 1991, Pages 1-30	
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AE	27	CAIRNS, J.F., et al., "Advances in ICI's Activated Cathode Technology for Chlor-Alkali Production", <i>Advances in Mathematical Modeling and Simulation of Electrochemical Processes and Oxygen Depolarized Cathodes</i> , 1998, Pages 289-296	

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AE	28	CAVALLARO, S., et al., "Hydrogen Produced from Ethanol for Internal Reforming Molten Carbonate Fuel Cell", <i>Journal of Power Sources</i> , 2001, Pages 198-204, Volume 102	
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	31	DAS, L.M., "Hydrogen Engines: A View of the Past and a Look into the Future", <i>International Journal of Hydrogen Energy</i> , 1990, Pages 425-443, Volume 15, Number 6	
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	37	GERSTEN et al., "Thermal Conductivity", <i>The Physics and Chemistry of Material</i> , 2001, Page 144, Wiley & Sons, New York City, New York	
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AE	39	GÜNTER, M.M., et al., "Redox Behavior of Copper Oxide/Zinc Oxide Catalysts in the Steam Reforming of Methanol Studied by <i>in situ</i> X-Ray Diffraction and Absorption Spectroscopy", <i>Journal of Catalysis</i> , 2001, Pages 133-149, Volume 203, Number 1	
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	42	IDRISS, H., et al., "Reactions of Acetaldehyde on CeO ₂ and CeO ₂ -Supported Catalysts", <i>Journal of Catalysis</i> , 1995, Pages 219-237, Volume 155	
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	46	KELLER, J., et al., "Hydrogen Fueled Engines in Hybrid Vehicles", Society of Automotive Engineers, 2001, Pages 117-122	
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AE	49	LLOYD, et al., <i>Catalyst Handbook</i> , 2nd Ed., 1996, Pages 309-312, M.V. Twigg Ed., Manson Publishing, London, England	

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AE	50	LUENGO, C.A., et al., "A Novel Catalyst System for Ethanol Gasification", <i>International Journal of Hydrogen Energy</i> , 1992, Pages 677-681, Volume 17, Number 9	
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AE	61	SCHMIDT, S.R., "Surfaces of Raney® Catalysts", <i>Catalysis of Organic Reactions</i> , 1995, Scaros and Prunier eds., Pages 45-59	
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	69	WAINWRIGHT, M.S., et al., "Raney Nickel-Copper Catalysts II. Surface and Pore Structures", <i>Journal of Catalysis</i> , 1980, Pages 124-131, Volume 64	
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AE	71	YEE, A., et al., "A Study of the Reactions of Ethanol on CeO ₂ and Pd/CeO ₂ by Steady State Reactions, Temperature Programmed Desorption, and <i>In Situ</i> FT-IR", <i>Journal of Catalysis</i> , 1999, Pages 279-295, Volume 186	
	72	YOUNG, D.J., et al., "Raney Nickel-Copper Catalysts I. Structure and Leaching Properties", <i>Journal of Catalysis</i> , 1980, Pages 116-123, Volume 64	
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PTO/SB/08a (08-03)

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Art Unit	1745
Examiner Name	John S. Maples
Attorney Docket Number	40-21(52925)C; MTC 6888.2

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Application Number	10687541
Filing Date	2003-10-16
First Named Inventor	Morgenstern
Art Unit	1745
Examiner Name	John S. Maples
Attorney Docket Number	40-21(52925)C; MTC 6888.2

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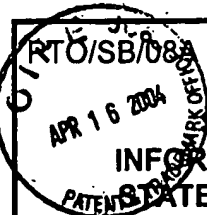
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¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/687,541
				Filing Date	October 16, 2003
				Confirmation Number	7748
				First Named Inventor	David A. Morgenstern
				Group Art Unit	1746
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket No.	MTC 6888.2 (39-21(52925)C)

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code ² (if known)				
	79	3,454,364		v. Sturm et al.	07-08-1969		
	80	6,432,871	B1	Bachinger et al.	08-13-2002		
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
AE	81	DE	195 34 433	C1	Kohnke	10-10-1996	
	82	EP	0 734 765	A1	Yamauchi et al.	10-02-1996	
	83	EP	0 920 064	A1	Pettit	06-02-1999	
AE	84	FR	2 795 339	A1	Pierre et al.	12-29-2000	

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PTO/SB/08A SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/687,541
				Filing Date	October 16, 2003
				Confirmation Number	7748
				First Named Inventor	David A. Morgenstern
				Group Art Unit	1746
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket No.	MTC 6888.2 (39-21(52925)C)

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AE	85	International Search Report, PCT/US03/32919, from the European Patent Office dated March 19, 2004 (5 pages).	
	86	English language abstract for DE 195 34 433 obtained from http://www.espacenet.com	
AE	87	English language abstract for FR 2 795 339 obtained from http://www.espacenet.com	

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached.

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PTO/SB/08A				Complete if Known	
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/687,541
				Filing Date	October 16, 2003
				Confirmation Number	7748
				First Named Inventor	David A. Morgenstern
				Group Art Unit	1746
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket No.	MTC 6888.2 (39-21(52925)C)

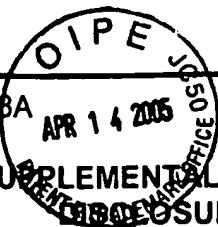
U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code ² (if known)				
AE	88	6,686,075	B2	Gieshoff et al.	02-03-2004		
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
OTHER ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ⁶

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

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PTO/SB/08A THIRD SUPPLEMENTAL INFORMATION ENCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/687,541
				Filing Date	October 16, 2003
				Confirmation Number	7748
				First Named Inventor	David A. Morgenstern
				Group Art Unit	1745
				Examiner Name	John S. Maple
Sheet	1	of	1	Attorney Docket No.	MTC 6888.2; 39-21(52925)C

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code ² (if known)				
AE	89	6,794,331	B2	Ostgard et al.	09-21-2004		
	90	6,818,720	B2	Krauter et al.	11-16-2004		
	91	2004/0199019	A1	Schmidt	10-07-2004		
AE	92	2005/0049434	A1	Tustin et al.	03-03-2005		
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ³
		Office	Number ⁴	Kind Code ² (if known)			
OTHER ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ³

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PTO/SB/08A FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/687,541
				Filing Date	October 16, 2003
				Confirmation Number	7748
				First Named Inventor	David A. Morgenstern
				Group Art Unit	1745
				Examiner Name	John S. Maples
Sheet 1	1	of	1	Attorney Docket No.	MTC 6888.2; 39-21(52925)C

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code ² (if known)				
AE	93	2001/0018402	A1	Ostgard et al.	08-30-2001		
AE	94	2002/0099246	A1	Siebenhaar et al.	07-25-2002		
AE	95	2004/0133045	A1	Okanobori et al.	07-08-2004		
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
AE	96	WO	00/32310	A1	Siebenhaar et al.	06-08-2000	
OTHER ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.					T ⁶

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FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known			
				Application Number		10/687,541	
				Filing Date		October 16, 2003	
				Confirmation Number		7748	
				First Named Inventor		David A. Morgenstern	
				Group Art Unit		1745	
Examiner Name				John S. Maples			
Sheet	1	of	1	Attorney Docket No.		MTC 6888.2; 40-21(52925)C	

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code (if known)				
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code (if known)			
OTHER ART – NON PATENT LITERATURE DOCUMENTS							
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					T ⁶
AE	97	English language translation of DE 195 34 433 C1, pages 1-8.					
AE	98	English language translation of FR 2 795 339, pages 1-21.					

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PTO/SB/08A SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known			
				Application Number		10/687,541	
				Filing Date		October 16, 2003	
				Confirmation Number		7748	
				First Named Inventor		David A. Morgenstern	
				Group Art Unit		1745	
Examiner Name				John S. Maples			
Attorney Docket No.				MTC 6888.2; 40-21(52925)C			
Sheet	1	of	1				

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		
		Number	Kind Code (if known)				
AE	99	1,975,853		Wilbur A. Lazier	10-09-1934		
AE	100	3,254,128		Hugh J. Hagemeyer, Jr., et al.	05-31-1966		
AE	101	6,646,160	B2	Thaddeus S. Franczyk, II et al.	11-11-2003		
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code (if known)			
OTHER ART - NON PATENT LITERATURE DOCUMENTS							
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Examiner Signature	/Alix Echelmeyer/	Date Considered	08/24/2006
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number	10687541
Filing Date	2003-10-16
First Named Inventor	Morgenstern
Art Unit	1745
Examiner Name	John S. Maples
Attorney Docket Number	40-21(52925)C; MTC 6888.2

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AE	1	63256136	JP	A	1988-10-24	Idemitsu Kosan Co		<input type="checkbox"/>
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10687541
	Filing Date		2003-10-16
	First Named Inventor	Morgenstern	
	Art Unit	1745	
	Examiner Name	John S. Maples	
	Attorney Docket Number	40-21(52925)C; MTC 6888.2	

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Examiner Signature	/Alix Echelmeyer/		Date Considered 08/24/2006
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			
<small> ¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached. </small>			